

DAYSTAR DOMESTIC PRICE LIST (CONT.)

Part No.†				
Merisel	Macamerica	DayStar	Product Description	List Price
Cache Cards for the Mac IIci				
01268	FASTCACHEIIci	CCCCI-000	FastCache IIci	379
	40MHZ030MAC2CIWOC	P30CI-040	40 MHz PowerCache IIci	1,299
	40MHZ030MAC2CIWCO	P30CI-M40	40 MHz PowerCache IIci with 68882 math chip	1,599
	50MHZ030MAC2CI	P30CI-050	50 MHz PowerCache IIci	2,299
	50MHZ030MAC2CIWCP	P30CI-M50	50 MHz PowerCache IIci with 68882 math chip	2,699
SCSI Accelerators for NuBus*				
22935	SCSIPOWERCARD-0MB	SC4NU-X00	SCSI PowerCard - 0 MB DRAM	1,499
27758	SCSIPOWERCARD-1MB	SC4NU-X01	SCSI PowerCard - 1 MB DRAM (4 x 256K)	1,699
92409	SCSIPOWERCARD-4MB	SC4NU-X04	SCSI PowerCard - 4 MB DRAM (4 x 1 MB)	1,999
11777	SCSIPOWERCRD-16MB	SC4NU-X16	SCSI PowerCard - 16 MB DRAM (4 x 4 MB)	3,499
*Requires either 1, 4, or 16 MB memory on card				
RAM Expansion Boards for NuBus*				
48405	RAMPOWERCARD-0MB	M16NU-X00	RAM PowerCard - 0 MB DRAM	999
82829	RAMPOWERCARD-8MB	M16NU-X08	RAM PowerCard - 8 MB DRAM (8 x 1 MB)	1,999
42251	RAMPOWERCARD-16MB	M16NU-X16	RAM PowerCard - 16 MB DRAM (4 x 4 MB)	2,999
	RAMPOWERCARD-64MB	M16NU-X64	RAM PowerCard - 64 MB DRAM (16 x 4 MB)	8,999
*Expandable to 256 MB				
LocalTalk Network Products				
29932	LT200PCBOARD	LIFPC-200	LT200 Connection PC Interface Board	249
67509	LT200MCBOARD	LIFMC-200	LT200 Connection MC Interface Board	399

† Part numbers are supplied for the dealers convenience. End users should contact their dealer or DayStar for a dealer near them.

Upgrades

PowerCard 030 Upgrades				List Price
50 MHz PowerCard 030 Upgrades				
Mac II	Mac Iix	Mac IICx	Speed	
U30II-250	U302X-250	U30CX-250	Upgrade from 25 MHz to 50 MHz with 68882 math chip	1,650
U30II-350	U302X-350	U30CX-350	Upgrade from 33 MHz to 50 MHz with 68882 math chip	1,100
U30II-450	U302X-450	U30CX-450	Upgrade from 40 MHz to 50 MHz with 68882 math chip	880
Math Chip Upgrade for 50/40 II, Iix, and IICx				
U82II-450	40 MHz to 50 MHz 68882 math chip upgrade			499
FastCache IIci Upgrades†				Credit
FastCache IIci to PowerCache IIci				40 MHz 50 MHz
FastCache IIci purchased on or before 9/14/90				250 1,000
FastCache IIci purchased after 9/14/90				250 250
† The FastCache IIci must be returned through a dealer. Please contact your Dealer or a DayStar Representative for further information.				

† The FastCache IIci must be returned through a dealer. Please contact your Dealer or a DayStar Representative for further information.

Effective December 6, 1990
All Prices in U.S. Dollars

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DAYSTAR DOMESTIC PRICE LIST

Part No.†				
Merisel	Macamerica	DayStar	Product Description	List Price
68030 CPU Accelerators for the Mac II				
77016	25MHZ030MAC2	P30II-025	25 MHz PowerCard 030	\$1,499
	25MHZ030MAC2W-COP	P30II-M25	25 MHz PowerCard 030 with 68882 math chip	1,699
	DAYSTAR33030MAC2	P30II-033	33 MHz PowerCard 030	1,699
75274	33030MAC2+6888233	P30II-M33	33 MHz PowerCard 030 with 68882 math chip	1,999
	40MHZ030MAC2	P30II-040	40 MHz PowerCard 030	1,899
76769	40MHZ030MAC2W-COP	P30II-M40	40 MHz PowerCard 030 with 68882 math chip	2,199
	50MHZ030MAC2	P30II-050	50 MHz PowerCard 030	2,599
80267	50MHZ030MAC2W-COP	P30II-M50	50 MHz PowerCard 030 with 68882 math chip	2,999
68030 CPU Accelerators for the Mac IIx				
51463	25MHZ030MACIIx	P302X-025	25 MHz PowerCard 030	1,499
	25MHZ030MAC2XW-CO	P302X-M25	25 MHz PowerCard 030 with 68882 math chip	1,699
	DAYSTAR33030MACX	P302X-033	33 MHz PowerCard 030	1,699
79958	33030MAC2XCOPROC	P302X-M33	33 MHz PowerCard 030 with 68882 math chip	1,999
	40MHZ030MAC2X	P302X-040	40 MHz PowerCard 030	1,899
33728	40MHZ030MAC2XW-CO	P302X-M40	40 MHz PowerCard 030 with 68882 math chip	2,199
	50MHZ030MAC2X	P302X-050	50 MHz PowerCard 030	2,599
03104	50MHZ030MAC2XW-CO	P302X-M50	50 MHz PowerCard 030 with 68882 math chip	2,999
68030 CPU Accelerators for the Mac IIcx*				
03218	25MHZ030MCIIcX	P30CX-025	25 MHz PowerCard 030	1,499
	25MHZ030MCIIcXWCO	P30CX-M25	25 MHz PowerCard 030 with 68882 math chip	1,699
	33MHZ030MCIIcX	P30CX-033	33 MHz PowerCard 030	1,699
02735	33MHZ030MCIIcXWCO	P30CX-M33	33 MHz PowerCard 030 with 68882 math chip	1,999
	40MHZ030MCIIcX	P30CX-040	40 MHz PowerCard 030	1,899
42423	40MHZ030MCIIcXWCP	P30CX-M40	40 MHz PowerCard 030 with 68882 math chip	2,199
	50MHZ030MCIIcX	P30CX-050	50 MHz PowerCard 030	2,599
75975	50MHZ030MCIIcXWCO	P30CX-M50	50 MHz PowerCard 030 with 68882 math chip	2,999
Socket Installation*				
		USKCX-000	Socket Installation	249
* On some models of the Mac IIcx Apple didn't provide a socket for the 68030. These units have the CPU soldered directly into the motherboard. DayStar has provided a special service for installing a socket on the customer's motherboard.				
Bundled Accelerator & Motherboard for IIcx				
	25PWRB2CX	PCBCX-025	25 MHz PowerBundle IIcx	2,199 *
		PCBCX-M25	25 MHz PowerBundle IIcx with 68882 math chip	2,399 *
		PCBCX-033	33 MHz PowerBundle IIcx	2,399 *
	33PWRB2CX	PCBCX-M33	33 MHz PowerBundle IIcx with 68882 math chip	2,699 *
		PCBCX-040	40 MHz PowerBundle IIcx	2,599 *
	40PWRB2CX	PCBCX-M40	40 MHz PowerBundle IIcx with 68882 math chip	2,899 *
		PCBCX-050	50 MHz PowerBundle IIcx	3,299 *
	50PWRB2CX	PCBCX-M50	50 MHz PowerBundle IIcx with 68882 math chip	3,699 *
*Net price upon receipt of functional exchange motherboard				

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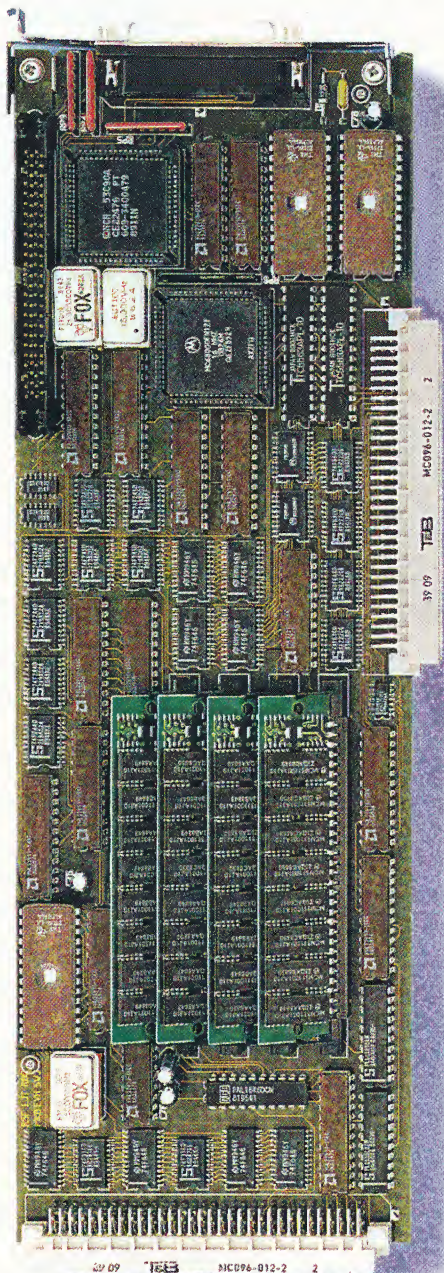
Effective December 6, 1990

All Prices in U.S. Dollars

DAYSTAR
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SCSI POWERCARD

THE HARD DRIVE SUPERCHARGER FOR NuBus



DayStar's SCSI PowerCard™ is the fastest hard drive interface available. This NuBus® card is a complete computer dedicated to the task of boosting the performance of all SCSI* storage devices - hard drives, opticals, CD-ROMs, and SyQuest removable hard drives.

Hard drives make you wait. The SCSI Powercard is a unique card that uses a large memory buffer, powerful caching software, and a superfast SCSI port to make drives scream at speeds approaching a RAM disk (the absolute fastest).

The SCSI PowerCard's unique on-board features break the performance barrier with:

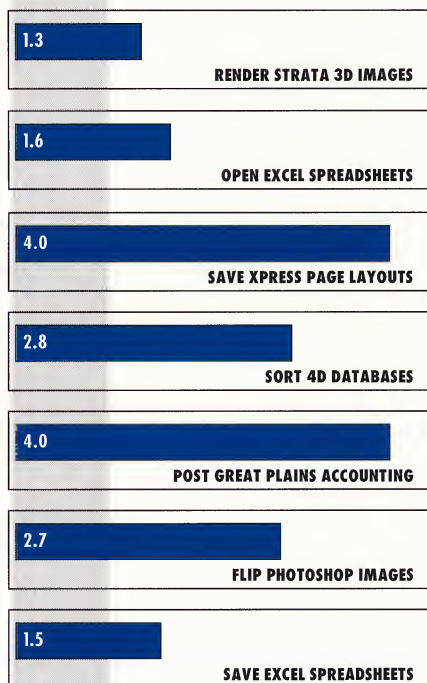
- A memory buffer that holds 4 snap-in SIMMs. Buffer size can range from 1, 4 or 16 MB.
- A 5 MB per second SCSI controller - increases data transfer rate by a factor of three to five.
- A dedicated Motorola 68000 CPU to off-load disk management from the Mac's 68030 CPU.
- A DMA controller to pump data directly from the drive into the memory buffer.

It's the cost effective alternative to purchasing expensive, fast drives. In fact, the SCSI PowerCard's performance is so strong that it boosts the performance of any SCSI drive.

The SCSI PowerCard is ideal for any application. Database, compilers, graphics, and even publishing applications have many disk intensive tasks. Searches, sorts, filters, and more require thousands of updates to the disk. The SCSI PowerCard supercharges every update.

The SCSI PowerCard has performance and features that are unsurpassed. So powerful it even increases Mac IIx SCSI performance. A card truly designed for the today's power user.

How Many Times Faster?



Without
PowerCard

* SCSI - Small Computer System Interface (pronounced skuh'-zee)

PERFORMANCE GAINS RELATIVE TO A MAC WITHOUT SCSI POWERCARD

Making business more productive

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SCSI POWERCARD

SPECIFICATIONS

- **System Requirements**
 - Apple® Macintosh II, IIx, IIcx, IIfx, IIfx and IIsi (with adapter)
- **Software**
 - Custom memory caching, customizable features within control panel.
- **Compatibility**
 - Compatible with standard Macintosh hardware
- **Local Processor**
 - Motorola MC68000 @ 16 MHz
16K RAM, 16K ROM
- **SIMM Cache Buffer**
 - 4 standard SIMM sockets
 - 256K, 1 MB and 4 MB SIMMS at 100 nanoseconds
 - Installation of 1, 4, or 16MB of total memory
- **SCSI Controller**
 - NCR53C90A @ 16 MHz
- **Internal SCSI Connector**
 - 50 pin (same as Mac II)
- **External SCSI Connector**
 - DB-25 (same as Mac II)
- **Interface**
 - NuBus
- **Physical Dimensions**
 - 12.1" x 4.0"
- **Warranty**
 - One year limited warranty

FEATURES

5 MB per second
SCSI Controller

Cache Buffer

On-Board
DMA Controller

68000 Processor

Standard Mac II style SIMMs

NuBus Bootable

Creates New SCSI bus

Toll-free technical support

One year limited warranty

BENEFITS

Increased SCSI throughput. Increases productive time by reducing hard drive access time. Disk Intensive applications run significantly faster.

Nearly four times faster than the Mac IIcx and over twice the speed of the Mac IIfx. Adds more speed on all disk transfers.

Stores large amounts of recently used data in fast RAM - make performance approach a RAM disk (the absolute fastest).

Increases data transfer rates directly into the memory cache buffer.

Dedicated I/O processor relieves the Mac's CPU from SCSI management. You continue to work while the PowerCard manages the hard drives.

Lowest cost. Easy snap-in installation. Easy to upgrade as needs expand.

Any SCSI drive on card can be startup device. Speeds up system file transfers.

Add seven new SCSI hard drives to card. Can still use original Apple SCSI port for seven other SCSI devices.

Solves your problems fast.

Designed for reliability. Built and tested to exacting quality specifications.

HOW IT WORKS

SCSI PowerCard instantly transfers large data blocks between the motherboard and the PowerCard's high-speed buffer. Its CPU coordinates a fast SCSI controller and high-speed DMA interface to move data to and from the expandable SIMM buffer, then to and from the hard drives.

Buffering Writes: During writes information is written to the PowerCard's buffer, the motherboard then informs the PowerCard to complete the transfer to the hard drive. The Mac's CPU is free to continue with new work, while the SCSI PowerCard works on its own, in the background.

Caching Reads: Each time data is read from the hard drive, SCSI PowerCard fills the SIMM buffer with a duplicate of that information. When the application reuses the information (as in a database, compiler, or programs which use hard drive swap-space) the SCSI PowerCard instantly supplies it to the Mac without having to wait on slow hard drives access.

DAYSTAR...

*Engineering,
Manufacturing,
Sales and Technical
Support.*

Our products are designed and built by people who know the Mac inside and out. Our goal is to create rock solid products that improve your Macintosh® experience.

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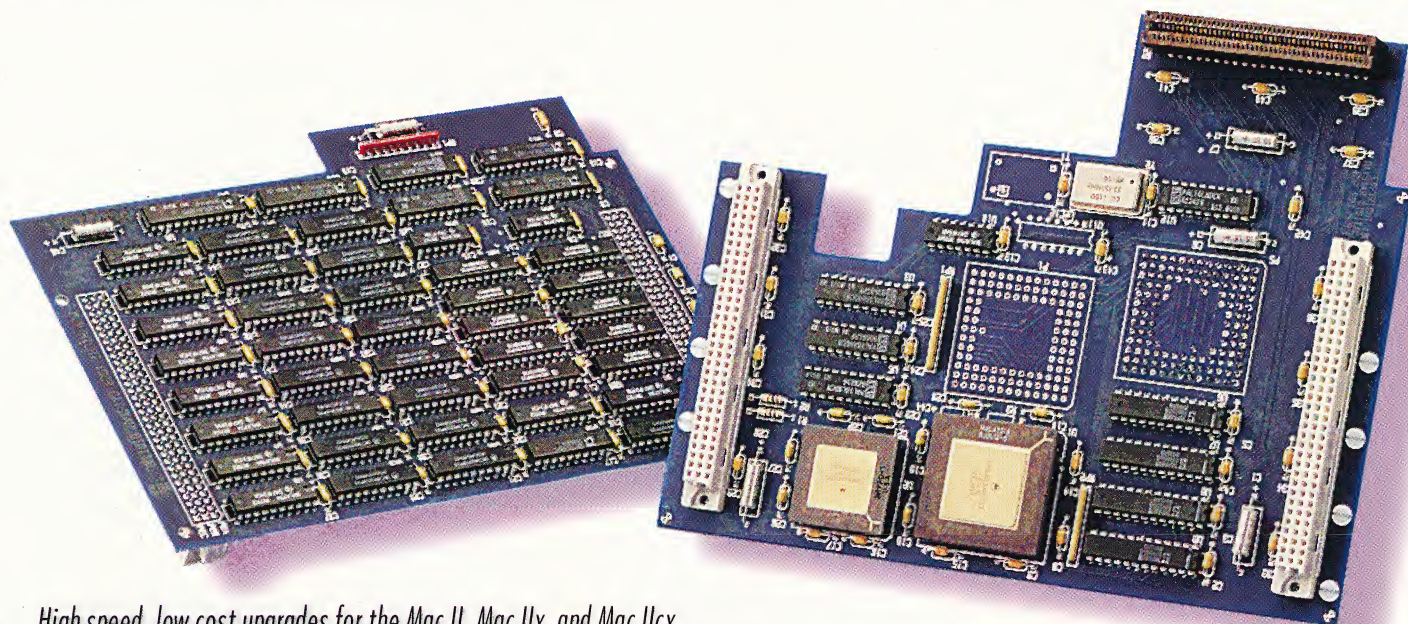
Available exclusively through dealers and value added resellers

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POWERCARD 030

FOR THE MAC II, MAC IIx, AND MAC IIcx



*High speed, low cost upgrades for the Mac II, Mac IIx, and Mac IIcx.
25, 40 and 50 MHz configurations available.*

DayStar's PowerCard 030™ upgrades deliver reliable performance at an affordable price.

Today's Macintosh® users need incredible hardware power to keep up with new capabilities built into the latest applications. CAD, graphic design, image-processing and four color pre-press take the power out of the Mac - PowerCard 030 puts it back in.

Standard on every PowerCard 030 is a 20 nanosecond static RAM cache. This superfast memory boosts your Mac's processing speed to the limit.

Every board also includes a socket for an optional 68882 math chip for boosting CAD and rendering applications.

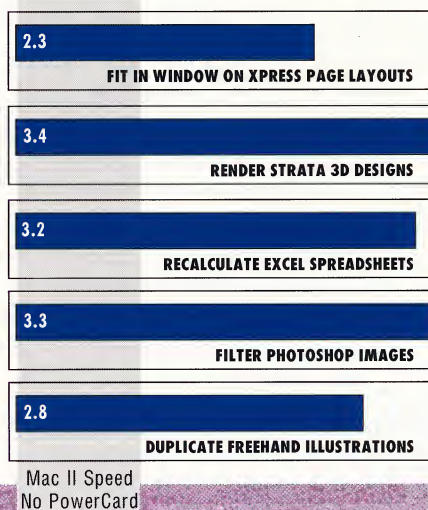
The PowerCard 030 is a no hassle upgrade with proven success.

- Quick and easy installation into the CPU socket, leaving all Nu-Bus slots open. Even IIcx users can upgrade in a matter of a few minutes.
- The PowerCard 030 runs all standard Macintosh hardware and software, including A/UX®.
- It works with the SIMMs you already have.

Three PowerCard 030 speed choices are available - 25, 40 and a blazing 50 MHz clock speed. The 25 MHz provides an entry level performance upgrade. Choose a 40 MHz PowerCard and get Mac IIcx class performance at nearly half Apple's upgrade price. Or, get

the ultimate - our 50 MHz PowerCard 030. No matter which PowerCard 030 you choose, you get a board with proven compatibility and uncompromising performance.

How Many Times Faster?



50 MHz PERFORMANCE GAINS RELATIVE TO A MAC II

Making business more productive

DAYSTAR
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POWERCARD 030

SPECIFICATIONS

System Requirements

Apple® Macintosh II, IIx, IICx

CPU Board

Processors:

- Motorola® MC 68030 CPU
25, 40 or 50 MHz

Optional Coprocessor:

- Motorola MC 68882 math coprocessor
25, 40 or 50 MHz

Cache Architecture

- 32K two-way set associative physical cache with 32 bit cache line
- 20-nanosecond static RAM

Software

- Control Panel for cache and buffer management
- Power Math to speed up Apple SANE math

Compatibility

- Compatible with standard Macintosh II/IIx/IICx software including A/UX®

Warranty

- 12 month limited warranty

FEATURES

High-speed 68030 CPU. Three different speeds for every need and budget - 25, 40 and 50 MHz

Optional High-speed 68882 floating point math coprocessor - 25, 40 and 50 MHz

32K 2-way set associative cache using 20 nanosecond static RAM

Field proven compatibility - shipping since fall 1988

Power Math Software

Upgradable to 50 MHz

Special 68030 chip removal tool - installation guide with over 20 photos

Updates by changing cdev

Toll-free technical support

One year limited warranty

BENEFITS

Upgrade to the speed you need and stay within your budget. Increases productivity and creates time for improved work quality.

- 25 MHz - Low cost entry level performance upgrade
- 40 MHz - IIx class performance at nearly half the cost of Apple's upgrade path.
- 50 MHz - The fastest 68030 processing speed available for the Mac family.

Built in PMMU ensures compatibility with Apple's system 7.0.

Increase execution speed of numerical, CAD and scientific applications beyond that achieved by the motherboard math chip.

Zero wait-state 68030 access to the most recently used application code. Doubles the speed gain over a non-cached CPU.

Compatible with all hardware and software that runs on the Mac II/IIx/IICx, including A/UX. No surprises.

Speeds up SANE calculations (math calculations not designed for the 68882 math chip).

Expand as your needs grow.

Easy installation in your home or office. No down time. All you need are Phillips head and slotted screwdrivers!

Prevents need for hardware chip swaps with every update.

Solves your problems fast.

Designed for reliability. Built and tested to exacting quality specifications.

HOW IT WORKS

The PowerCard 030 utilizes a fast (25, 40 or 50 MHz) Motorola 68030 processor. Faster clock speed means faster computing. A two-way set associative cache using 32K of 20 nanosecond static RAM remembers the most recent 32K of application code used by the processor. When the processor asks for this data, the cache can supply it to the processor 2.5 times faster than SIMMs on the Mac's motherboard. Over 80% of the data that the processor needs will be instantly available in cache memory. This super-fast static RAM is over 5 times faster than the standard dynamic RAM used by the basic Mac II.

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Our products are designed and built by people who know the Macintosh inside and out. Our goal is to create rock solid products that improve your Macintosh experience.

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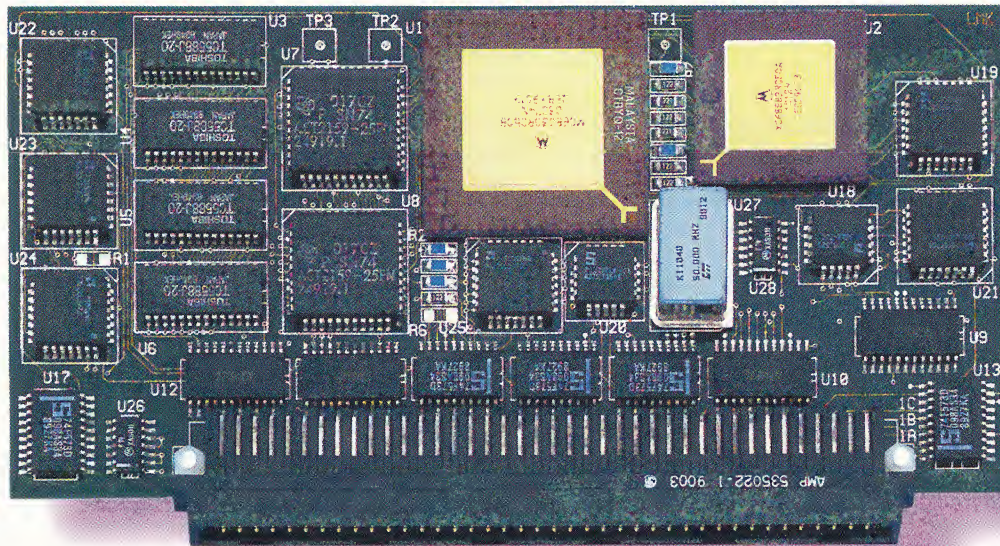
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Available exclusively through dealers and value added resellers

DAYSTAR
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POWERCACHE IIci

TURBOCHARGED CACHE CARD FOR THE MAC IIci



*Faster than the Mac IIx and it
plugs into the cache connector!*

The PowerCache IIci™ - a new turbocharged cache card that plugs directly into the 25 MHz Mac IIci cache slot. It combines proven FastCache IIci technology with high-speed processing power.

The PowerCache contains a 32K cache driven by a powerful 40 MHz or 50 MHz 68030 processor.

- The 50 MHz PowerCache IIci™ boosts Mac IIci speed beyond Apple's leading Mac IIx.
- The 40 MHz PowerCache IIci™ provides IIx class performance at an incredible price.

A write-back buffer works with the 68030 processor to provide even more speed. And, as an added plus, the PowerCache IIci

automatically uses the 25 MHz Mac IIci math chip. An optional 40 or 50 MHz 68882 math chip is also available for CAD and rendering applications.

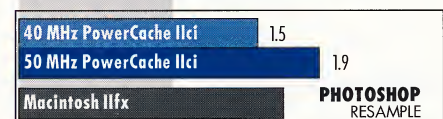
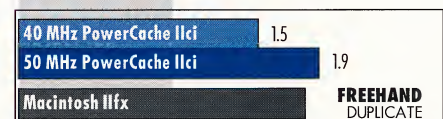
The PowerCache IIci provides a simple, fast upgrade that:

- Plugs into the Cache Connector slot, leaving all NuBus slots open.
- Runs all standard Mac IIci compatible hardware and software.
- Works with the SIMMs you already have.
- Provides a cost effective upgrade for FastCache IIci owners.

Whatever the application, the PowerCache IIci provides real gains in productivity. It is ideal for

spreadsheet, database and especially graphics users. Choose the speed you need - all at a price you can afford.

How Many Times Faster?



Mac IIci Speed
No PowerCard

PERFORMANCE GAINS RELATIVE TO A STOCK MAC IIci

Making business more productive

DAYSTAR
DIGITAL

POWER CACHE II CI

SPECIFICATIONS

FEATURES

BENEFITS

System Requirements

- Apple® Macintosh IIci

Cache Architecture

- 32K direct-mapped physical cache with 32 bit cache line
- Superfast static RAM

Processor

- Motorola® MC 68030 40 or 50 MHz
- Motorola MC 68882 math processor (optional) 40 or 50 MHz

Software

- Control Panel for cache and buffer management
- PowerMath to speed up Apple SANE math

Connector

- 120 Pin Cache Slot

Compatibility

- Compatible with standard Macintosh IIci software

Warranty

- 12 month limited warranty

32K direct-mapped cache using superfast static RAM

High-speed 68030 CPU. Two speeds to fit your needs - 40 and 50 MHz

Optional high-speed 68882 floating point math coprocessor - 40 and 50 MHz

Write-back buffer

Engineered for compatibility and reliability

PowerMath Software

Upgrade from FastCache IIci

120 Pin Cache Slot Connector

Toll-free technical support

One year limited warranty

Almost instantaneous 68030 access to the most recently used application code. Doubles the speed gain over a non-cached CPU.

Upgrade to the speed you need and stay within your budget. Increases productivity and creates time for improved work quality.

Provides 256-byte internal data and instruction cache.

Built in PMMU ensures compatibility with Apple's system 7.0.

Increase execution speed of numerical, CAD and scientific applications beyond 25MHz 68882 on Mac IIci motherboard.

Speeds up 68030 processor writes.

Compatible with all hardware and software that runs on the Mac IIci. No surprises.

Speeds up SANE calculations (math calculations not designed for the 68882 math chip).

Expand as your needs grow.

Plug and play installation. Simply open the cover and plug in. Easier than a NuBus card

Solves your problems fast.

Designed for reliability. Built and tested to exacting quality specifications.

HOW IT WORKS

The PowerCache IIci utilizes a 32K direct mapped cache combined with a fast 40 or 50 MHz Motorola 68030 processor. The clock speed of the Mac IIci is 25 MHz—faster clock speed means faster computing. The cache remembers the most recent 32K of data or application code read by the processor. When the processor reads this data, the fast static RAM cache can supply it to the processor three times faster than SIMMs on the Mac's motherboard. Over 80% of the data that the processor reads will be instantly available in cache memory. The write-back buffer allows the processor to instantly store one write instruction and then go on to the next activity, writing the cached instruction to motherboard memory at its convenience.

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